

FIG.1

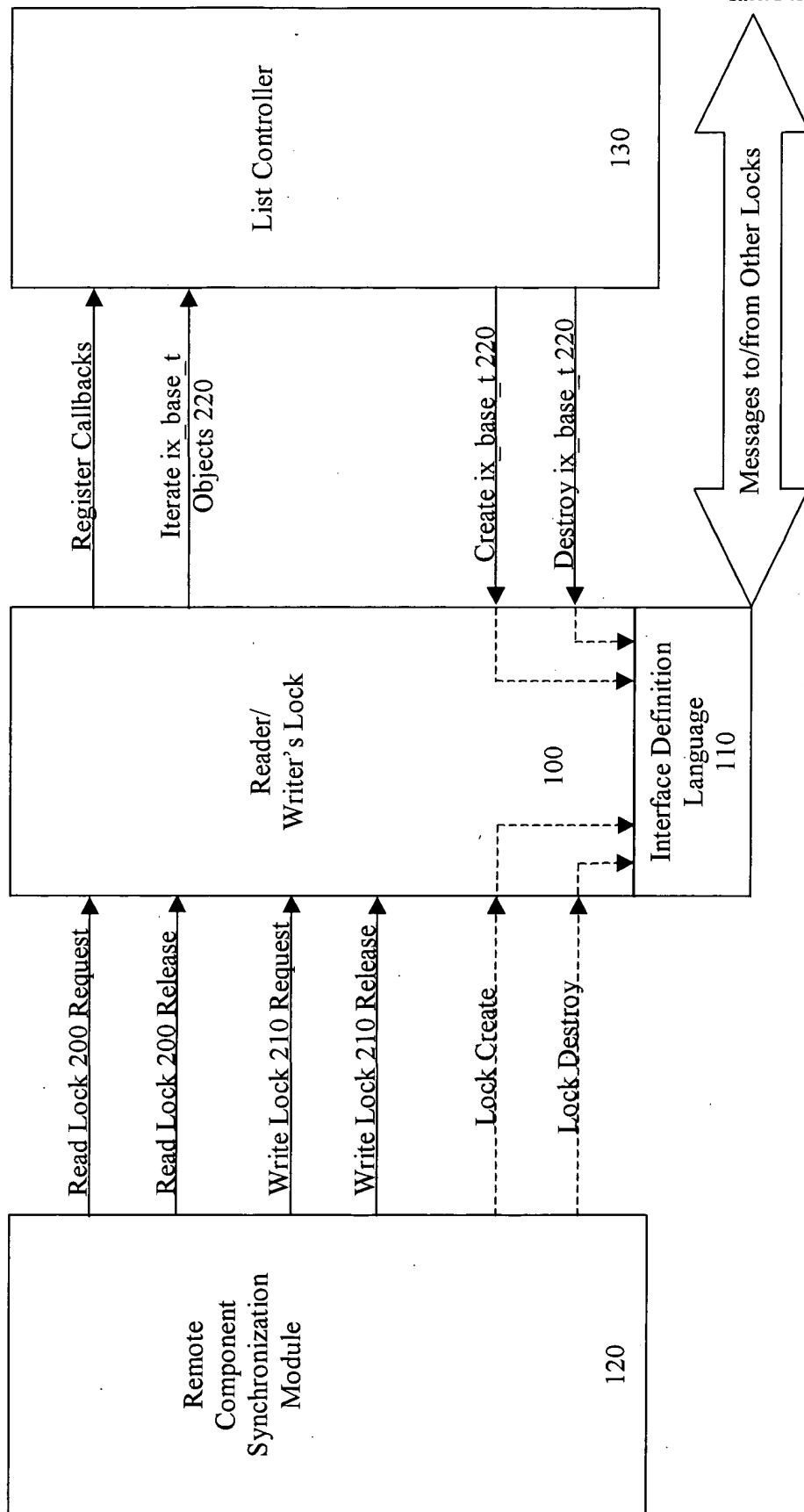


FIG. 2

FIG. 3A

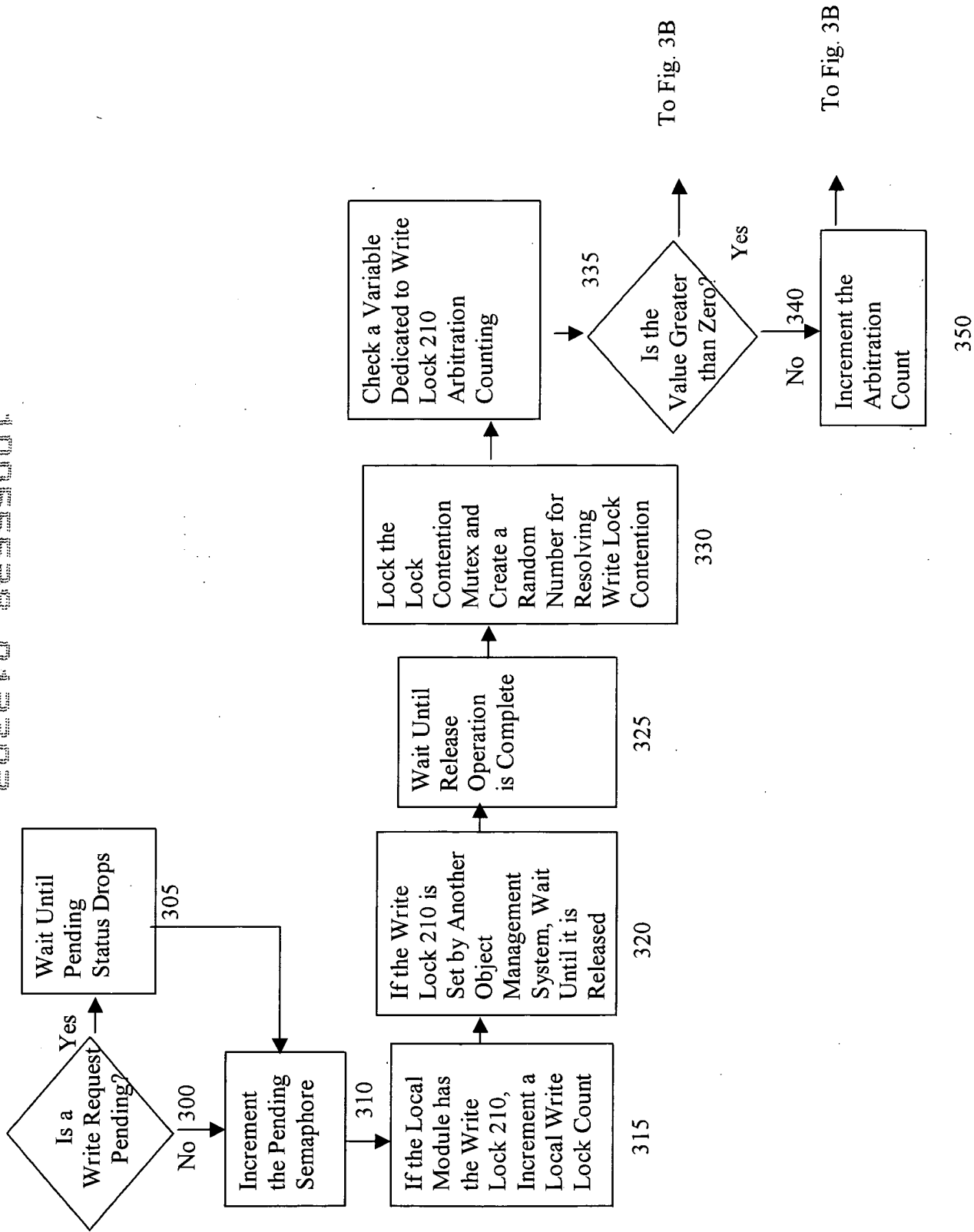


FIG. 3A

20250325

Release the Lock
 Contention Mutex
 and Return to
 Step 320

From
 Fig. 3A

345

Set the Lock's
 Arbitration to
 the Local Object
 Management
 System and Set
 its Priority by
 Generating a
 Bound Random
 Number

355

Release the
 Lock
 Contention
 Mutex

360

Make a
 Write Lock
 210
 Request to
 the Remote
 Reader and
 Writer's
 Lock

365

No

Once All
 Remote
 Modules
 Have
 Provided the
 Write Lock
 210, Return
 Without
 Setting the
 Write Lock
 210 in the
 Lock
 Component

385

Did the
 Request
 Fail?

Yes 370

Decrease the
 Local Write Lock

375

Repeat from Step
 320

380

FIG. 3B



FIG. 4

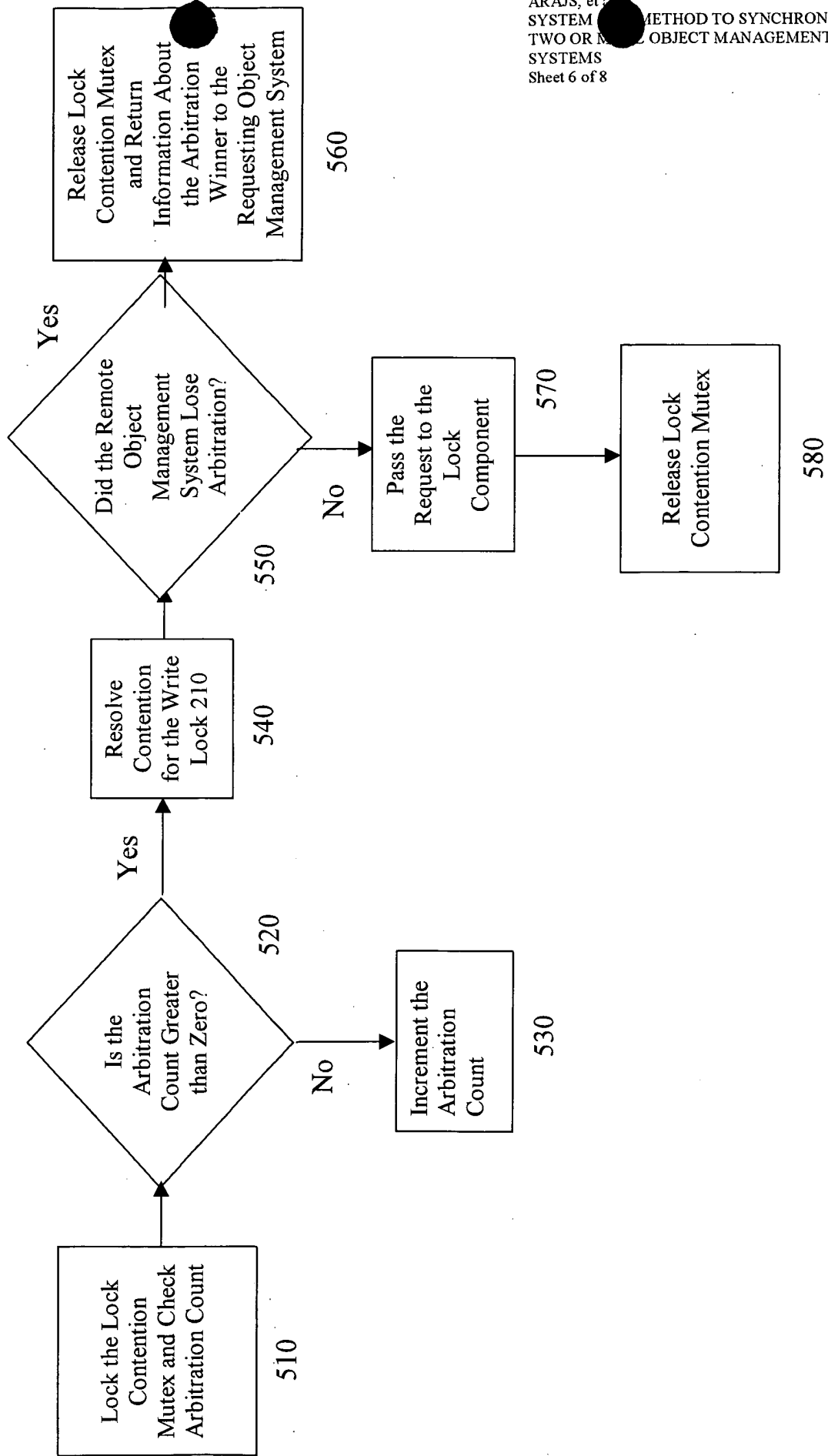


FIG. 5

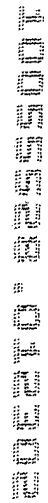


FIG. 6



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